

## United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/783,159	02/20/2004	Naoya Hasegawa	9281-4747	1835	
7590 07/10/2006			EXAMINER		
Brinks Hofer Gilson & Lione			BERNATZ, KEVIN M		
P.O. Box 10395 Chicago, IL 60610			ART UNIT	PAPER NUMBER	
Cincago, 12 00010			1773		
			DATE MAILED: 07/10/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

Notice of Abandonment    10/783,159				
Examinar  Kevin M. Bernatz  - The MAILING DATE of this communication appears on the cover sheet with the correspondence address— This application is abandoned in view of:    Applicant's failure to timely file a proper reply to the Office letter mailed on 28 November 2005.   A reply was received on		Application No. Applicant(s)		
Examinar   Kevin M. Bernatz   1773    The MAILING DATE of this communication appears on the cover sheet with the correspondence address- This application is abandoned in view of:  1. Applicant's failure to timely file a proper reply to the Office letter mailed on 28 November 2005.  (a) A reply was received on   (with a Certificate of Mailing or Transmission dated   ), which is after the expiration of the period for reply (including a total extension of time of   month(s)) which expired on   which is after the expiration of the application in condition for allowance; (2) a timely filed votice of Appea (with appeal are), or 3 of filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.  (b) A reply was received on   but it does not constitute a proper reply, or a bona filed attempt at a proper reply, to the non-final rejection. See 37 CFR 1.185(a) and 1.111. (See explanation in box 7 below).  (d) No reply has been received.  2. Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).  (a) The issue fee and publication fee, if applicable, was received on   (with a Certificate of Mailing or Transmission dated   Number of Allowance (PTOL-85).  (b) The submitted fee of \$ is insufficient. A balance of \$ is due. The issue fee and publication fee, if applicable, has not been received.  3. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowance (PTOL-85).  (c) The issue fee and publication fee, if applicable, has not been received.  3. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowance of Ptol-85.  (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.  (b) No corrected dr	Alada ad Alama Isaa aand	10/783,159	HASEGAWA E1	ΓAL.
The MAILING DATE of this communication appears on the cover sheet with the correspondence address— This application is abandoned in view of.	Notice of Abandonment			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address— This application is abandoned in view of.		Kevin M. Rematz	1773	
This application is abandoned in view of:  1. Applicant's failure to timely file a proper reply to the Office letter mailed on 28 November 2005.  (a) A reply was received on (with a Certificate of Mailing or Transmission dated, which is after the expiration of the period for reply (Including a total exension of time of month(s)) which expired on (b) A proposed reply was received on but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.113 to a first rejection consists only of. (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee), or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).  (c) A reply was received on but it does not constitute a proper reply, or a bona filed attempt at a proper reply, to the nonfinal rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).  (d) No reply has been received.  2. Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).  (a) The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated, which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).  (b) The submitted fee of \$ is insufficient. A balance of \$ is due.  The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18(d), is \$ (c) The issue fee and publication fee, if applicable, has not been received.  3	The MAILING DATE of this communication app			ldress
1. ☑ Applicant's failure to timely file a proper reply to the Office letter mailed on 28 November 2005  (a) ☐ A reply was received on (with a Certificate of Maiting or Transmission dated), which is after the expiration of the period for reply (including a total extension of time of month(s)) which expired on which is after the expiration of the period for reply (including a total extension of time of month(s)) which expired on to the final rejection.  (A) proper reply under 37 CFR 1.113 to a final rejection consists only of; (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee), or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).  (c) ☐ A reply was received on but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the nonfinal rejection. Sea 37 CFR 1.55(a) and 1.111. (See explanation in box 7 below).  (d) ☒ No reply has been received.  2. ☐ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).  (a) ☐ The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).  (b) ☐ The issue fee and publication fee, if applicable, has not been received.  3. ☐ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowancially (PTO-37).  (a) ☐ Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.  (b) ☐ No corrected drawings have been received.  1. ☐ The letter of express abandonment whic	•			
(a) ☐ A repty was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for repty (including a total extension of time of	I his application is abandoned in view of:			
application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).  (c)  Areply was received on but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).  (d) No reply has been received.  2. Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).  (a) The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).  (b) The submitted fee of \$ is insufficient. A balance of \$ is due.  The issue fee and publication fee, if applicable, has not been received.  3. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).  (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.  (b) No corrected drawings have been received.  4. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.  5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7. The reason(s) below:	(a) A reply was received on (with a Certificate of M period for reply (including a total extension of time of	failing or Transmission dated month(s)) which expired on	), which is after the	•
final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).  (d) ☒ No reply has been received.  2. ☐ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).  (a) ☐ The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).  (b) ☐ The submitted fee of \$ is insufficient. A balance of \$ is due.         The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18(d), is \$ (c) ☐ The issue fee and publication fee, if applicable, has not been received.  3☐ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).  (a) ☐ Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.  (b) ☐ No corrected drawings have been received.  4. ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.  5. ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6. ☐ The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7. ☐ The reason(s) below.	application in condition for allowance; (2) a timely filed	Notice of Appeal (with appeal fee); of		
2. Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).  (a) The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).  (b) The submitted fee of \$ is insufficient. A balance of \$ is due.  The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18(d), is \$  (c) The issue fee and publication fee, if applicable, has not been received.  3. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).  (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.  (b) No corrected drawings have been received.  4. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.  5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7. The reason(s) below.  **Kevin M. Bernatz, PhD Primary Examiner**  July 6, 2006			mpt at a proper rep	ly, to the non-
from the mailing date of the Notice of Allowance (PTOL-85).  (a) The issue fee and publication fee, if applicable, was received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).  (b) The submitted fee of \$ is insufficient. A balance of \$ is due. The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18(d), is \$  (c) The issue fee and publication fee, if applicable, has not been received.  3	(d) ⊠ No reply has been received.			
			the statutory period	l of three months
The issue fee required by 37 CFR 1.18 is \$ The publication fee, if required by 37 CFR 1.18(d), is \$  (c) The issue fee and publication fee, if applicable, has not been received.  3. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).  (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.  (b) No corrected drawings have been received.  4. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.  5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7. The reason(s) below:  Kevin M. Bernatz, PhD Primary Examiner  July 6, 2006	), which is after the expiration of the statutory pe			
(c) The issue fee and publication fee, if applicable, has not been received.  3. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).  (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.  (b) No corrected drawings have been received.  4. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.  5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7. The reason(s) below:  Kevin M. Bernatz, PhD Primary Examiner  July 6, 2006	(b) ☐ The submitted fee of \$ is insufficient. A balance	e of \$ is due.		
3. Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).  (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.  (b) No corrected drawings have been received.  4. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.  5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7. The reason(s) below.  Kevin M. Bernatz, PhD Primary Examiner  July 6, 2006	The issue fee required by 37 CFR 1.18 is \$ 1	The publication fee, if required by 37	CFR 1.18(d), is \$	·
Allowability (PTO-37).  (a) Proposed corrected drawings were received on (with a Certificate of Mailing or Transmission dated), which is after the expiration of the period for reply.  (b) No corrected drawings have been received.  4. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.  5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7. The reason(s) below:  **Kevin M. Bernatz, PhD Primary Examiner**  July 6, 2006	(c) ☐ The issue fee and publication fee, if applicable, has no	ot been received.		
after the expiration of the period for reply.  (b) No corrected drawings have been received.  4. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.  5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7. The reason(s) below:  Kevin M. Bernatz, PhD Primary Examiner  July 6, 2006		ired by, and within the three-month p	period set in, the No	tice of
4. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.  5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7. The reason(s) below:  Kevin M. Bernatz, PhD Primary Examiner  July 6, 2006		(with a Certificate of Mailing or Tran	smission dated	), which is
the applicants.  5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.  6. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7. The reason(s) below:  Kevin M. Bernatz, PhD Primary Examiner  July 6, 2006	(b) \( \sum \) No corrected drawings have been received.			
1.34(a)) upon the filing of a continuing application.  6. The decision by the Board of Patent Appeals and Interference rendered on and because the period for seeking court review of the decision has expired and there are no allowed claims.  7. The reason(s) below:  Kevin M. Bernatz, PhD Primary Examiner  July 6, 2006	·	e attorney or agent of record, the assi	gnee of the entire i	nterest, or all of
of the decision has expired and there are no allowed claims.  7. The reason(s) below:  Kevin M. Bernatz, PhD Primary Examiner  July 6, 2006		attorney or agent (acting in a repres	entative capacity ur	nder 37 CFR
Primary Examiner  July 6, 2006			e the period for see	king court review
	7. ☐ The reason(s) below:			hD
Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to			July 6, 2006	
	Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdra	w the holding of abandonment under 37 (	CFR 1.181, should be	promptly filed to